

RMH10067



PATENT
Docket No. 10164-1

#20
2/15/02
no

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Patent Application of:

Arthur W. Chester et al.

Serial No. 09/351,147

Filed: July 12, 1999

For: CATALYTIC PRODUCTION OF LIGHT)
OLEFINS FROM NAPHTHA FEED)

Examiner: Walter D. Griffin

Group Art Unit: 1764

AMENDMENT UNDER 37 C.F.R. §1.116

ATT: BOX AF
Commissioner for Patents
Washington, D.C. 20231

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FEB 14 2002
TC 1700

Sir:

In response to the Office Action mailed October 22, 2001, please consider the ensuing remarks.

REMARKS

Applicants respectfully request reconsideration of this application.

Claims 1-10 are presently in the application.

The present invention relates to a process for converting C₄+ naphtha hydrocarbon feed over a catalyst comprising ZSM-5, ZSM-11 or combinations thereof treated with phosphorus-containing compound, and a substantially inert matrix material, the catalyst containing less than 20 wt% of active matrix material and having an initial silica/alumina molar ratio of less than about 70. The contacting is carried out under conditions sufficient to produce a product containing light olefins and aromatics.

The process can be used to provide increased yields of ethylene, propylene and high quality motor fuels containing aromatics from low value